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4. "For the best experimental Essay on the native red dies [sic] of the U. S., accompanied with small specimens of the dyed stuffs," \$150, Jan. 1, 1804.

Donation: Mazère's Scriptores Logarithmatici, Vol. III. Thanks to donor.

Catalogue to be completed (by Dr. Collin) "by inserting such books as have been received since it was first presented."

Stock of Trans.:—Vaughan and Woodhouse "to enquire into the state & situation of the three first Vols."

Trans. American Philosophical Society.—Secretaries and Treasurer to distribute Vol. IV. "as they conveniently can, agreeable to former Resolutions of the Society."

Annual election ordered January 2, 1801.

1801. Jan. 2, between 2 and 5 p. m. (Allison; Collin, Peale, Barton, Patterson, J. B. Smith, Magaw, Seybert, Leslie, Coxe, Williams, Vaughan, Abercrombie.)

Leslie, Peale, Collin, Judges; Vaughan, Allison, Secretaries.

ELECTION OF OFFICERS.

President—Thomas Jefferson.
Vice-Presidents—Wistar, Patterson, Ellicott.
Secretaries—Coxe, Seybert, Clay, Allison.
Councillors—J. B. Smith, Currie, Wheeler, Duponceau.
Curators—Peale, Leslie, J. R. Smith.
Treasurer—Vaughan.

- 1801. Jan. 16. (Ellicott; Peale, Vaughan, J. B. Smith, Patterson, Williams, Dr. Priestley, Magaw, Barton, Shippen, Collin, Woodhouse, Currie, Seybert, Wistar, Allison, Coxe.)
- "On an Anemoscope, Pneumatometer & Rain-gauge," by Dr. Allison; referred to Patterson and Clay.
 - "A very extraordinary appearance of Shooting Stars off

Cape Florida," in a letter from Mr. Ellicott to Mr. Patterson, read and referred to Patterson and Clay.

"On a method of finding the Equation for the change of the Sun's Declination when equal Altitudes are used to regulate a clock or other time keeper," by Mr. Ellicott; referred to Patterson and Clay.

Committee on Meteorological Observations reported the following plan:

1. That, as soon as proper instruments can be provided, a series of Met. Obs. be commenced at the Hall of the Society.—2. That, the Treasurer be directed to procure a Barometer; two Six's Thermometers; two common Thermometers; a Hygrometer; an Anemometer; a Rain-guage; a Magnetic needle; an Electrometer.—3. That, a suitable person be employed to make & register Observations.—4. That, through newspapers &c. a general invitation be given to societies & individuals to make & communicate similar Observations at stated times, receiving in return a copy of the Society's Observations.

This plan was referred to the Committee to carry into effect.

The following communications were received from President Jefferson:

- "On a language by signs," in a letter from Dunbar to Jefferson; with
 - "Met. Obs. for 1799 at the Natchez;" and
- "An extraordinary phenomenon which passed Baton Rouge, on the night of April 5, 1800."

Count Rumford's letter to Jefferson, with Prospectus and Laws of the R. Inst., Great Britain. All the above referred to Ellicott and Wistar.

Secretary ordered to notify Jefferson of his election.

Election of six new members:—S. Falberg, Phys. Swed. Govt., St. Bartholomews; Gus. Paykull, Sweden; Alex. Remerez [sic], First Sec. to Junta of Guatemala; Dr. Fr. Blanchet, Quebec; Rob. R. Livingstone, Chanc. N. Y.; Wm. Jones, Math. Inst. Maker, London.

1801. Feb. 6. (Patterson; Wistar, Ellicott, Woodhouse, Barton, Allison, Priestley, Vaughan, Duponceau, Peale, J. B. Smith, Latrobe, Coxe.)

David Austin's letter, partly read, laid on table.

"New Species of Vallisneria growing near Philada., called by him V. Americana," with a drawing, by Dr. Barton; referred to Latrobe.

"Table of Geographical positions in America," by Don Jos. Joachim de Ferrer, of Cadiz; referred to Ellicott and Clay.

Committee reported Dunbar's papers worthy of publication. Accepted. Also, a draft of answer to Count Rumford.

Jefferson's acknowledgment of election read.

Treasurer reported sending "four Vols. Trans. to Acad. Hist. Madrid, by Ship *Harry*, to Lisbon, under care of Don Josef de Arango going immediately to that city." (See order of July 19, 1799.)

Report of Committee on Premiums (Dec. 19) ordered to press, with "as much of the successful communications on Peach trees, necessary to public advantage."

Treasurer directed to renew Insurance on Hall and Library.

1801. Feb. 20. (Ellicott; Priestley, Barton, Woodhouse, Seybert, Collin, Bollman, Patterson, Vaughan, J. B. Smith, Peale, Williams, Coxe.)

Treasurer reported renewal of Insurance for one year, at \$15.60. (Hall, \$4000; Library, \$1200.)

Complete set of Trans. American Philosophical Society ordered to R. I. G. B., with letter to Count Rumford.

Committee to collect information of "a very extraordinary Meteor lately seen in various parts of U. S." Barton and Ellicott.

1801. March 6. (Wistar; Priestley, Ellicott, Williams, Patterson, Vaughan, Peale, Coxe.)

"Improved method of projecting and measuring plane angles," by Mr. Patterson; referred to Ellicott.

Donation from Mr. Williams:—"Elements of Fortification, translated from the french." Thanks ordered.

Secretary to buy two books to enter Verbal Communications and Philosophical Questions, as ordered January, 1797, and a Donation Book.

1801. March 20. (Patterson; Barton, Peale, Vaughan, Ellicott, J. B. Smith, Allison, Coxe.)

Report of Ellicott on Patterson's paper received; Secretary reported printing Ellis's paper on Peach trees in the public papers.

1801. April 3. (Williams; Gov. McKean, Ellicott, Vaughan, Bleakeley, Peale, Allison, Patterson, Barton, Wistar, Caldwell, Woodhouse, Seybert, Coxe.)

"On Ventilators & Lamp Oil," by Rich. Robotham, in a letter to Jefferson, referred to Woodhouse and Patterson.

Dr. John Vaughan's (Wilmington) Valedietory Lecture to Philosophical Society of Delaware, and letter to the American Philosophical Society; referred to Woodhouse, Patterson and Seybert. Thanks ordered.

"Case of Albino," by Dr. Coxe; referred to Wistar and Barton.

"Five tables relating to Thermo. Obs. in french," from P. Legaux; referred for translation to Vaughan and Du Ponceau.

Cuvier's Leçons d'Anat. Comp., 2 Vols. from T. P. Smith, with a letter; referred to Wistar and Clay.

Secretary reported shipping the Transactions and letter to Rumford, per Ship George.

Electrical apparatus loaned to Dr. Woodhouse.

Celestial and Terrestrial globes loaned to Mr. Patterson.

1801. April 17. (Ellicott; Woodhouse, Barton, Coxe, Collin, Wistar, Seybert, Caldwell; Patterson, Vaughan, J. B. Smith, Latrobe, Allison, Bleakeley, Briggs, Peale, Clay.)

Translation of Legeaux's paper partly read.

Committee reported Barton's "Vallisneria" well worthy of publication.

Mr. Jonathan Williams requested the Society "to accept an assignment of his right" in "his patent for a new mode of refining Sugar by which a saving of 20 \$\psi\$ cent appears to be made."

Election of three new members: Thos. Tickell Hewson, Philadelphia; Don. J. J. de Ferrer, Cadiz; Don. Fr. Peyrolon, Secretary Royal Society de Amigos del Pais de Valencia.

- 1801. May 1. (Wistar; Drs. Barton, Seybert, Hewson, Coxe, Woodhouse; Messrs. Williams, Peale, Patterson, Allison, Ellicott.)
- "A plain and precise projection for clearing the Lunar Distances from the Effects of Parallax & Refraction," by Mr. Garnet, of New Brunswick. Thanks ordered.

Committee on Plan for conducting the business of the Library: Ellicott, Patterson, Hewson.

1801. May 15. (Patterson; Currie, Woodhouse, Coxe; Hewson, Wistar, Seybert, Magaw; J. B. Smith, Vaughan.)

Letter of acknowledgment from Mr. W. Jones (of London) read.

"Agreed that the members be allowed to take books out of the Library and the Com. . . . report regulations &c.;" and to report the best way of preserving and filing the Papers.

Committee to see Williams' Experiments on Sugar refining appointed: Vaughan, Seybert, Woodhouse.

"Mr. Vaughan presented 32 copper coins or Medallions

from the Soho Mint invented by Mr. Boulton, with a list & card describing the principles."

Ellis's and Coulter's papers on Peach trees to be prepared for publication by Dr. Wistar.

Peale requested to furnish Mr. Dobson for publication his paper on the mode of warming rooms.

Requests presented from "Lime," the candidate for the Peach tree Premium, and from the candidate for Premium on the best mode of pumping ships [no explanation].

1801. May 22. Special Meeting. (Ellicott; Hewson, Wistar, Seybert; Peale, Vaughan.)

Geo. Turner's bond not having been paid, it was resolved to sell the lands; Patterson and Vaughan a Committee to buy them in "for the security of the Society in case they should not sell for such sum as will cover the Debt, Interest & Costs aforesaid," or "to convey over the same to any person who shall pay the full amount of the Debt, Interests & Costs aforesaid. Deeds & conveyances to be made under the Seal of the Soc. for transferring & assuring to the purchasers . . . S. H. Smith one of the trustees to whom the said lands were conveyed, now resident in Washington . . . authorized & required to constitute R. Patterson . . . his legal attorney, on final settlement the Treasurer to give up then all claims to other property of G. Turner."

- 1801. June 19. (Patterson; Drs. Woodhouse, Wistar, Coxe; Revd. Mr. Allison; Messrs. Vaughan, J. B. Smith, Bleakeley, Clay.)
- "Lat. & Long. of Baltimore," by A. Ellicott, ordered to be printed.
- "Teeth of some extinct animal found in N. Y.," with description in letter from Livingston to Jefferson.

Fothergill's Work on the Preservation of shipwrecked mariners received. Thanks ordered.

Printer of Transactions Vol. V. to be furnished with: 1. Advertisement relative to choice of papers for publication; 2. Premiums offered with conditions, and the Magellanic premium; 3. Premium prizes on Peach trees; 4. List of Officers for 1801, and members "American & Foreign" elected 1st January, 1799, and donations; 5. "Circular advertisement respecting the Antiquities, changes &c of our Country, &c.," and 6. Table of contents.

Committee reported Ellicott's "Extraordinary Shooting of the Stars" and "Rule for Sun's Declination," worthy of publication. Adopted.

Committee reported Allison's "Pneumometer &c.," ingenious but not of sufficient utility to publish in ensuing Vol. of Transactions.

1801. July 17. (Peale; J. B. Smith, Barton, Vaughan, Allison, Wistar, Woodhouse.)

"Sur la Théorie des Vents," by Dupont de Nemours, referred for translation to Duponceau and Vaughan.

Thos. Prior's Meteorological Observations to be procured by Ellicott and Allison.

Committee on Turner's bond reported that the property had been advertised ten days, and sold June 26, "at public sale by John Connelly at the City Coffee House, & bought by R. Patterson for" \$150, and resold to H. Cadbury for \$520, amount necessary to cover the Principal of Bond (\$450), Interest for one year, three months, nine days (\$34.42), and "expenses of the execution of the Trust, advanced by the Treasurer and now retained by him (\$35.58) = \$520.—That Vaughan & Smith as Trustees had executed conveyance to Patterson, & Patterson to Cadbury."

Jarvis Roebuck's Experiments and Observations on the Bile, received, and thanks ordered.

L'Heritier's Stirpes Novæ loaned to Dr. Barton. Electrical Machine returned by Dr. Woodhouse.

1801. July 24. Special Meeting, called by two Vice-

Presidents. (Patterson; Governor McKean, Drs. Wistar, Woodhouse, Barton, James, Hewson, Cox, Parke, Duffield, Rush, Caldwell, Seybert, Currie, Shippen, Andrews, Collin; Messrs. Bleakeley, Vaughan, Leslie, Peale, Duponceau, Wheeler, J. R. Smith, Latrobe, Allison, = 26.)

Peale's letter being read, "requesting the loan of \$500 to enable him to complete the Skeleton of the Mammoth, of the greater part of the bones of which he is now in possession," it was

"Resolved, unanimously, that he be accommodated with the money, for four months, without interest, & that Messrs. Patterson & Duponceau, in conjunction with M. Vaughan the Treasurer, be a Committee to carry the above resolution into effect, & to take such security for the repayment of the money as to them may seem necessary."

1801. Aug. 21. (Wistar; Seybert, Cox, Vaughan, Allison.)

Committee reported the receipt of Mr. Peale's bond, power to enter up judgment, and mortgage on his house in Lombard street, and the payment of \$500 by the Treasurer.

Thermometrical Journal of Dr. Cutbush on board United States Frigate [] referred to Patterson and Vaughan. "On the different Temperaments," by Dr. Schultz, referred to Dr. Barton.

1801. Sept. 10. (Patterson; Ellicott, Seybert, James, Vaughan.)

Sam. Pugh's (of Rouen) Observations on the weight of the Atmosphere, &c., in French; six copies sent by the author from Rouen, and referred to Mr. Patterson for analysis.

Committee reported that Cutbush's paper should be carefully preserved with other materials for ascertaining more correctly the use of the Thermometer in Navigation.

Dr. Franklin's library at N. G. Dufief's to be examined by Wistar, Ellicott and Vaughan, and other Philosophical works, &c., to be selected for purchase.

Form of letter of acknowledgment for donations to be reported by the Secretaries.

- 1801. Oct. 2. (Patterson; Vaughan, J. R. Smith, Peale, Allison, Drs. Hewson, Coxe.)
- J. Auriol, Secretary Royal Institution Great Britain, acknowledged receipt of Transactions, 4 Vols.

Loan of Electrical machine to Dr. Caldwell "for a pressing Medical case," approved.

Committee reported Books purchased from Franklin's Library, \$107.62. [Here two pages occupied by a list of the books and prices: Com. S. R. S. Göttingen is Vols. I, II, III, IV, Novi. Com. IV which completes the Society's set from 1751 to 1753, \$4.75; Gravesend's Nat. Phil. Trans. Desagulier's 6th ed. 1747, 2 Vols. 4°, \$3.00; Desagulier's Exp. Phil. 2d ed. 1745, 2 Vols. 4°, \$3.00; Pingrè's Traité des Cometès, 2 Vols. 4°, \$2.00; De Luc, Atmosphere, 2 Vols. 4°, 1772, \$3.00; Shaw's Boyle, 3 Vols. 4°, 1738, \$3.00; Bailly's Hist. Ast. Anc. 4°, 1775, \$3.00; Courtanvaux Jour. 4°, 1768, \$1.00; Condamine's Jour. 4°, 1751, \$1.50; Amer. Lib. 4°, Lond. 1713, \$0.75; Mather's Ecc. Hist. N. Eng. 1698, Fol. \$2.00; Beccaria's Elett. Lett. 1758, Fol. \$1.00; Ross' Hist. World, 1652, Fol. \$1.00; Bion, Const. Math. Inst. Stone's Trans. 1758, Fol. \$2.00; Nat. Esp. Acad. del Cimento, 2d Ed. Florence, 1691, \$1.00; Berthelot's Mechanique Applique, 2 Vols. in I, 4°, 120 plates, 1782, \$3.00; Cavallo on Air, 4°, 1781, \$2.50; Hutton on Rain, 4°, 1784, \$0.37½; Whitehurst's Theory of the Earth, 4°, 1778, \$1.00; Bancroft's Guiana, 8°, 1759, \$1.00; Mem. Ac. R. Stockholm, trad. Paris, 4°, 1772, \$1.50; Trans. Soc. Priv. Taurinensis, Vols. I to V (completing the A. P. S. set Turin from 1759 to 1791) \$7.25; De Bononiensi Sc. et Art, Inst. at Ac. Comm. Bologna, 4°, Vols. I to IV, \$6.00; Birch's Hist. R. S. 4°, 1756, 4 Vols. \$6.00; Trans. R. S. Abridgements, 9 Vols. 1700 to 1744; 36 Vols. 1744 to 1789 (wanting Vol. 55 and Vol. 78 II); Index, 1 Vol. \$46.00; Born's Travels, translated by Raspé, Lond. 8°, 1777, \$1.00.]

Action of Committee approved, and powers to purchase continued.

Donations: Nova Acta A. S. I. Petropol. Vol. XII, in sheets; ordered bound, and thanks returned.

"M^{r.} Peale asked the privilege to form another chamber by running a partition across the Entry on the first floor." Consideration postponed.

"Mr. Peale gave a verbal account of his late Expedition to the State of New York in search of the Large Bones &c. &c., which he was requested to reduce to writing."

1801. Oct. 16. (Latrobe; Leslie, Peale, Clay, Wheeler, Vaughan; Drs. James, Coxe, Barton.)

Seeds of Disette (Betterave Champêtre) from D. Valentine, with De Commerell's Memoire on its culture and use, Paris, 1798. Thanks ordered.

D. Valentine sent also through Dr. Barton, a pamphlet letter from the Comité Medical pour l'Inoculation, stating progress and soliciting the creation of similar establishments.

Committee reported a further purchase of Franklin's Books, \$91.50, and were authorized to buy others not exceeding \$20.00. [Two pages filled with titles and prices of the books, among which are 4 Vols. 4° Hist. et Mem. Soc. R. de Medicine, 1777 to 1784, \$6.00; Rozier's obs. sur la Physique &c, 23 semi-annual Vols. completing the Soc.'s set from Vol. I to Vol. XXV (wanting VI) \$28.75; Trans. R. S. London, 19 Vols. (V-XI, XIII-XXX, wanting XII) Indexes (Vol. XI from commencement to 1677, Vol. XVII, 1677 to 1693) \$19.00; Bellidor's Arch. Hydr. 4 Vols. 4°, and Sciences des Ing. Paris, 1739, 4°, \$20.00. Also, De Saussure's Essays, 1783; Bezout's Theorie, 1779; Jones' Essay, 1772; Chabert's Voyage, 1753; De Bougainville's Voyage, 1771; Lavoisier's Opuscule's (Vol. I only), 1774; Essai, Kirwan, 8°, 1788; Papin's Digester, 1681; Phipp's Voyage, 1774; Franklin's Exp. on Electricity, 3d Ed. 4°, Lond. 1774; Electricity, Collection of 13 pamphlets; Feuillée's Obs. Phys. (2 Vols. in 1), Paris, 1714; Souciet's Obs. Math. &c., 1729; De la Lande's Ephem. Vol. VII, 1774; Connoissance des Temps, 13 years (1766–1789); Neale's Hist. N. Eng., 2 Vols. 8°, Lond. 1720; Hist. of Air, &c., 2 Vols. 8°, Lond. 1749.] Ordered paid.

1801. Nov. 6. (Wistar; Drs. Barton, Hewson, Newnam, Coxe, Seybert, Messrs. Peale, Vaughan, Leslie, Clay.)

Dupont de Nemours' Theory of the Winds, translated, was read and referred to Clay and Patterson.

Form of Letter to Correspondents reported; 500 copies ordered. [The form is very simple: "The A. P. S. &c. having received from you.... I am directed by the Society to transmit their thanks for your assistance in thus advancing the design of their institution."]

More books from Franklin's Library reported purchased, to the extent of \$20. [Le Roi's Prem. Mem. sur la marine des Anciens, 1770; and Les Navire's, 1783; Lelyvild's Mem. sur l'usage des Huiles, 1775; Faujas' Œuvres de Palissy, 1774; Mem. inst. sur la manure de bonserver divers objects d'H. N. 8°; Mem. Acad. Dijon, Vols. I, II, 1769, 1774; Mem. Soc. Œcon. de Berne, Vols. I, II, III, IV, 1762-1765; Erreurs populaires, 1783; Letter from Wm. Penn to the Com. of Free Soc. of Traders, 1683. (All the above for \$8.00.) Vocab. Acc. della Crusca. Fo. 1686, \$1.00; Trans. A. P. S. 12 Vols. for \$12. (Three of Vol. II and 9 of Vol. I to complete sets.)]

Committee to settle Mr. Aitkin's accounts vested with "discretionary powers."

Dr. Hewson to call on Mrs. Pryor, concerning the Meteorological Observations of the late Mr. Pryor.

Donations: Pamphlet supplement to Barton's Memoir on the fascinating faculty described to the rattlesnake. Smith's Essay on Nitrous fumigation; Park's Travels; Robertson's Hist. of America, Phil. 1799; Browne's Essay on the Nat. Equality of men, Phil. 1793; The Rural Socrates; Smeaton's Exper. Enquiry, 1794; Chalmer's Estimates, 1782. Thanks voted to Barton, Dobson, Humphreys, Ormerod, Vaughan.

Peale's proposition referred to a special meeting.

1801. Nov. 10. Special Meeting. (Wistar; Du Ponceau, J. B. Smith, Vaughan, Leslie, Bleakley [sic], J. Smith [sic], Drs. Barton, Collin, Coxe, Hewson, Currie, Woodhouse, Magaw, Seybert.)

Agreed that Mr. Peale might erect his partition, provided the expense did not exceed \$65; to be advanced by Mr. Peale, and repaid on the last settlement for rent at the expiration of his lease. Committee to superintend, Vaughan and Leslie.

1801. Nov. 20. (Vaughan; Leslie, Hewson, Seybert.)

Dr. Hewson reported that Mrs. Pryor would not permit him to take the Meteorological Observations away to copy; was continued, and requested to devise some way of obtaining a copy.

Rutherford's Nat. Phil., 2 Vols. 4°, was deposited in the Library. Volney's Lectures and Chaptal's Elements presented by I. Conrad & Co.

Mr. Rich. Hill Morris gave \$10, in building materials, towards Peale's alterations. Thanks voted.

Mr. R. Leslie offered to put in complete order the Society's Time-piece, if he may use it until May next; and afterwards to keep it in order. Postponed.

1801. Dec. 4. (Patterson; Vaughan, Leslie, Peale, Legaux, Latrobe, Woodhouse, Currie, Coxe, Hewson, Seybert, Wistar.)

Donations: Lettsom on Cow Pox; Tatham's Pol. Econ. of Inland Nav. 1799; Sir W. Jones' Asiatic Researches, 6

Vols. 1801, and Poesios Asiat. Com. 8°, 1774, presented by S. F. Bradford. Thanks ordered to Dr. Lettsom, Mr. Leslie and Saml. F. Bradford.

Committee on Papers for Transactions Vol. VI; Coxe and Seybert.

Leslie's proposal accepted. Legeaux, Patterson and Leslie to report on the best method and expense of furnishing the city with true time.

1801. Dec. 18. (Patterson; Woodhouse, Currie, James, Coxe, Collin, Wistar, Vaughan, Leslie, J. B. Smith, W. Barton.)

Committee on papers reported partially; continued.

Committee for fixing a meridian, and furnishing true time to the city, reported that it would not cost more than \$50; report adopted; Patterson, Leslie, Latrobe, a Committee to carry it into effect.

No papers for Magellanic Premium. Secretaries to advertise terms.

Dr. Collin had sent a copy of Transactions American Philosophical Society, Vol. IV, to each of the Societies at Stockholm and Upsal, by Ship *Verlsborgare*; "ordered that they be replaced by the Society, & in case those sent should be lost, Dr. Collin renders himself responsible to replace them."

"Monthly recapitulation of Met. Obs." at the Natches, for the year 1800, with remarks calculated to give some idea of the climate there," by Wm. Dunbar, "of the Natches," in a letter from Jefferson; referred to Patterson and Woodhouse.

Patterson's and Ellicott's Observation on the Lunar Eclipse of September, 1801; referred to Clay and Latrobe.

1802. Jan. 1. Between 2 and 5 p. m. (Parke, Woodhouse, Coxe, Seybert, Collin, Vaughan, Patterson, J. B. Smith, Leslie, Williams, Peale, Hewson.)